

# Nuclear Regulatory Commission (NRC) Licensed Facilities Pre-Proposal –Site Tour – FSV

## Solicitation No. DE-SOL-0007515

Stop	Time	Description	Facility	Type	Narrative
FSV Visitor Center	10:00 a.m.	Attendees depart the FSV Visitor Center after the Safety Briefing and review of security paperwork	Fort St. Vrain (FSV) Main Gate		<ul style="list-style-type: none"> <li>Attendees were reminded to leave all hand-carried items in their cars.</li> <li>Visitors were required to show photo identification.</li> <li>Attendees were visually inspected with jackets removed, all hand-carried items were inspected by security.</li> </ul>
1	10:15 a.m.	Directly outside and inside the administrative trailer	FSV	Outside admin building	<ul style="list-style-type: none"> <li>The administrative trailer has been at this location since 1998.</li> <li>DOE owns the title to all the buildings on the site.</li> <li>Building has a parking lot for employees.</li> <li>There are trailers in the parking lot with extra equipment, tools and pre-deployed DOE Radiological Assistance Program (RAP) survey equipment</li> <li>All five acres are owned by the Department of Energy.</li> <li>There is a utility easement that is in good standing, a blast study was performed when the utility added two additional Gas Turbine Units.</li> <li>There are cameras for surveillance throughout the site and at 100 meters there is a barbed wire Fence.</li> </ul>
				Inside the admin building	<ul style="list-style-type: none"> <li>On the right and left sides of the admin building attendees saw: <ul style="list-style-type: none"> <li>- Three hard wall offices,</li> <li>- One Utility Room,</li> <li>- Two unisex restrooms with shower stalls</li> <li>- One parts storage room, weapons storage and weapons turn over area</li> <li>- One large conference room/emergency control center</li> <li>- One common area with sink, soda machine, table refrigerator and microwave oven</li> <li>- Entry into the weight room/workout facility</li> <li>- One large common area for security with desks and minimal work stations along with one cubicle for the facility Training Officer with a desk and computer workstation</li> </ul> </li> <li>There is storage for spare parts and additional Radiological Assistance Program (RAP) pre-staged equipment.</li> <li>Employees saw the weight room which included weight equipment, workout stations, two locker rooms at each end of the facility.</li> <li>There is an NNSA RAP team, should contractor employees join the team their participation time would be reimbursed via a modification to the contract.</li> </ul>
				Outside the admin building through the back door	<ul style="list-style-type: none"> <li>A good view of the facility was available and it was explained that the building is a natural convection type facility and explained the process: Air enters the facility through the vent screens at the back of the facility, passes over the shielded wall, through a collimater across and around the fuel storage canisters and out through the chimney .</li> <li>Identified the irrigation pipe, access road (not utilized) and storage shed.</li> <li>There is required surveillance and maintenance at the facility.</li> <li>There are nesting swallows on the building, they are federally protected and once they nest they can not be disturbed.</li> </ul>

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2	10:35 a.m.	Arrive at the facility entrance gate	FSV ISFSI		<ul style="list-style-type: none"> <li>Attendees exited the admin building and were searched by security personnel</li> <li>Attendees informed that the building contains a control room, vehicle bay and the former reactor building was pointed out.</li> </ul>
3	11:05 a.m.	Inside facility	Truck Bay/Canister Loading Bay		<ul style="list-style-type: none"> <li>Enter Access gate, stairwell and truck bay.</li> <li>Attendees reviewed the process diagrams (Figure 1.1-3 and Operating Sequence Flow Sheet Fig. 5.1a and 5.1b and 5.1c, ISFSI) for canister operations. They saw the major components with a brief description of the major features in the loading process.</li> <li>Explained the accelerometer, 2 FSV casks, and COCs for the casks are maintained at the Idaho National Lab INTEC Facility.</li> <li>The buildings ventilation is sampled periodically.</li> <li>It was explained that no more fuel comes into the facility, it is only stored here.</li> <li>The building is one of only two in the world, the other facility is in Hungary and this unit was intended to be modular.</li> <li>Group was separated into 2 smaller groups to facilitate entry into the smaller control room.</li> </ul>
			Control Room		<ul style="list-style-type: none"> <li>Attendees entered the control room that had monitors and an employee viewing all areas of the site; monitoring occurs 24/7.</li> <li>It was explained that the room has its own ventilation and communication systems, and is the primary alarm station.</li> <li>The room has direct contact with local law enforcement.</li> <li>The control room has its own independent UPS power supply if energy is lost.</li> </ul>
			Main Floor/Charge Hall/Charge Face		<ul style="list-style-type: none"> <li>The major equipment in the room include: <ul style="list-style-type: none"> <li>- Fuel stored in cells</li> <li>- Glove box</li> <li>- An escape hatch</li> <li>- Heat lamps</li> <li>- Container-handling machine</li> <li>- Overhead Crane</li> </ul> </li> <li>The fuel is stored in cells and the isolation valve is stabilized with SPHD 1 and 2</li> <li>All equipment is maintained to perform its function.</li> </ul>

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Stop	Time	Description	Facility	Type	Narrative
4	11:25 a.m.	Perimeter walk-around	FSV ISFSI		<ul style="list-style-type: none"><li>• Around the perimeter of the building there is security screen, concertina wire, cameras and extra diesel generator powered lighting.</li><li>• The inlet screens are protected</li><li>• The building has no fans or blowers; air comes in through the inlet screens and out through the chimney for cooling.</li><li>• The area is routinely patrolled by officers.</li><li>• There is a sump for rain water, in 20 years it has only contained water approximately two times.</li><li>• Attendees were able to see the escape hatch.</li><li>• Visitor badges were collected and attendees were led to the front gate.</li></ul>
5	11:40 a.m.	Depart Facility			